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Durbano, J.P.; Ortiz, F.E.; Humphrey, J.R.; Mirotznik, M.S.; Prather, D.W.;
Antennas and Wireless Propagation Letters
Volume 2, Issue 1, 2003 Page(s):54 - 57
Digital Object Identifier 10.1109/LAWP.2003.812245

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☐ **2. Finite-difference time-domain method in custom hardware?**
Schneider, R.N.; Okoniewski, M.M.; Turner, L.E.;
Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave
Wave Letters]
Volume 12, Issue 12, Dec. 2002 Page(s):488 - 490
Digital Object Identifier 10.1109/LMWC.2002.805948

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☐ **3. A prototype FPGA finite-difference time-domain engine for electromagne**
Culley, R.; Desai, A.; Gandhi, S.; Shugaung Wu; Tomko, K.;
Circuits and Systems, 2005. 48th Midwest Symposium on
7-10 Aug. 2005 Page(s):663 - 666 Vol. 1
Digital Object Identifier 10.1109/MWSCAS.2005.1594188

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☐ **4. FPGA implementation of FDTD algorithm**
Suzuki, H.; Takagi, Y.; Yamaguchi, R.; Uebayashi, S.;
Microwave Conference Proceedings, 2005. APMC 2005. Asia-Pacific Conferer
Volume 3, 4-7 Dec. 2005 Page(s):4 pp.
Digital Object Identifier 10.1109/APMC.2005.1606686

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☐ **5. FPGA finite difference time domain solver for thermal simulation**
Pardo, E.; Lopez, R.; Cabello, D.; Balsi, M.;
Field Programmable Logic and Applications, 2005. International Conference or
24-26 Aug. 2005 Page(s):721 - 722
Digital Object Identifier 10.1109/FPL.2005.1515825

Published before February 2003
Terms used
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Ryan N. Schneider, Laurence E. Turner, Michal M. Okoniewski
February 2002 **Proceedings of the 2002 ACM/SIGDA tenth international symposium on Field-programmable gate arrays FPGA '02**
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The continuing advances in the field of electrical engineering, in areas like cellular communications, fiber optics, mobile and multi-gigahertz electronics have necessitated a computer-assisted design approach to the complex electromagnetic interactions and problems that arise. Finite-Difference Time-Domain (FDTD) Analysis is a very powerful tool for the modeling of electromagnetic phenomena. The algorithm is computationally intensive and simulations can run for a few hours to several days. Incr ...

2   Technical reports
SIGACT News Staff
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3   Design methodology for PicoRadio networks
J. da Silva, J. Shamberger, M. Ammer, C. Guo, S. Li, R. Shah, T. Tuan, M. Sheets, J. Rabaey, B. Nikolic, A. Sangiovanni-Vincentelli, P. Wright
March 2001 **Proceedings of the conference on Design, automation and test in Europe DATE '01**
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